

What is claimed is:

1. An electromagnetic wave shielding layer structure, which includes:

a transparent substrate, which has first face and second face; and

5 a mesh, which has first face and second face, and the first face of which is coated with a layer of pressure sensitive adhesive with an appropriate thickness, and the second face of which is pasted with the first face of the transparent substrate.

10 2. The electromagnetic wave shielding layer structure according to claim 1, wherein the structure further includes:

a mold-releasing film, which has first face and second face, and the second face of which is pasted with the pressure sensitive adhesive layer and is corresponding to the first face of mesh.

15 3. The electromagnetic wave shielding layer structure according to claim 2, wherein the structure further includes:

another mold-releasing film, which has first face and second face, and the first face of which is pasted with the second face of transparent substrate.

20 4. The electromagnetic wave shielding layer structure according to claim 3, wherein another layer of pressure sensitive adhesive is included between the second face of transparent substrate and the first face of another mold-releasing film.

5. The electromagnetic wave shielding layer structure according to claim 3, wherein the transparent substrate is a layer of polyethylene terephthalate (abbreviated as PET).

25 6. The electromagnetic wave shielding layer structure according to claim 3, wherein the transparent substrate is a layer of triacetate (abbreviated as TAC).

7. A manufacturing method for electromagnetic wave shielding layer, the method comprising:

30 pasting a mesh upon the surface of a transparent substrate; and

coating a pressure sensitive adhesive layer having an appropriate thickness upon the surface of mesh corresponding to the pasting face between the mesh and the transparent substrate.

8. The electromagnetic wave shielding layer according to claim 7,
5 wherein the method further includes:

pasting a mold-releasing film upon the surface of pressure sensitive adhesive layer corresponding to the pasting face between the pressure sensitive adhesive layer and the mesh.

9. The electromagnetic wave shielding layer according to claim 8,
10 wherein the method further includes:

pasting another mold-releasing film upon the surface of transparent substrate corresponding to the pasting face between the transparent substrate and the mesh.

10. The electromagnetic wave shielding layer according to claim 9,
15 wherein the method further includes:

coating another pressure sensitive adhesive layer between the pasting faces of another mold-releasing film and the transparent substrate.

11. An eye-protecting filter used in plasma TV, wherein the electromagnetic wave shielding layer of eye-protecting filter includes:

20 a transparent substrate, which has first face and second face; and

a mesh, which has first face and second face, and the first face of which is coated with a layer of pressure sensitive adhesive with an appropriate thickness, and the second face of which is pasted with the first face of the transparent substrate.

25 12. The eye-protecting filter used in plasma TV according to claim 11, wherein the transparent substrate of the electromagnetic wave shielding layer structure is a layer of polyethylene terephthalate (abbreviated as PET).

13. The eye-protecting filter used in plasma TV according to claim 11, wherein the transparent substrate of the electromagnetic wave shielding
30 layer structure is a layer of triacetate (abbreviated as TAC).